

ABSTRACT

An control apparatus for an industrial machine according to an embodiment of the present invention, comprises: a submodule including a first memory of
5 electrically rewritable nonvolatile type to store an industrial machine control program, the submodule executing the industrial machine control program stored in the first memory to control an industrial machine; a read out drive
10 reading out a data for rewriting the industrial machine control program from a memory module; and a main module including a second memory having a rewrite control program stored therein to rewrite the industrial machine control program, and a third memory having a general control program stored therein to control the submodule, in an ordinary
15 mode the main module executing the general control program stored in the third memory to cause the submodule to execute the industrial machine control program and control the industrial machine, in an program rewrite mode the main module executing the rewrite control program stored in the
20 second memory to rewrite the industrial machine control program stored in the first memory, using the data read out by the read out drive.